

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-354169

(43)Date of publication of application : 24.12.1999

(51)Int.Cl.

H01M 14/00

C23C 14/08

H01L 31/04

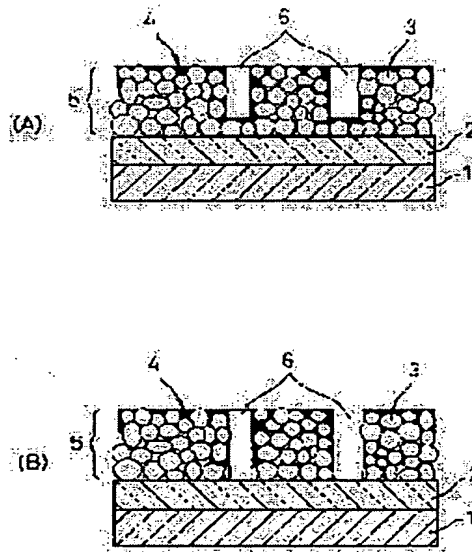
(21)Application number : 10-165840

(71)Applicant : MINNESOTA MINING &  
MFG CO <3M>

(22)Date of filing : 01.06.1998

(72)Inventor : KOBAYASHI MITSUAKI  
HARADA TAKASHI  
KASAI NORIHIRO  
AYUKAWA HIROSHI

(54) PHOTOCELL



(57)Abstract:

PROBLEM TO BE SOLVED: To provide a photocell with a cathode electrode of high quality capable of adsorbing a large molecule by a titanium oxide film as much as possible.

SOLUTION: A titanium oxide film 5 is composed to have at least one of pore 6 having 10-400 nm of diameter in a photocell provided with a cathode electrode having a transparent substrate 1, a transparent electrode 2 arranged on the substrate 1, the titanium oxide film 5 arranged on the electrode 2, and a sensitizer adsorbed in the titanium oxide film 5, so as to provide the photocell with the cathode electrode of high quality capable of adsorbing a large molecule by the titanium oxide film 5 as much as possible.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]